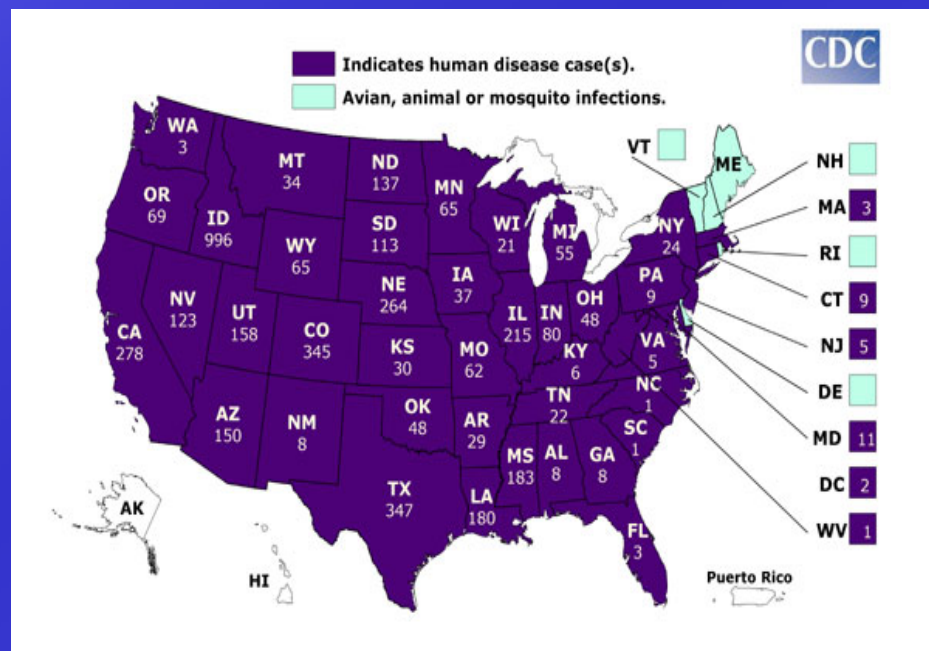


WEST NILE VIRUS UPDATE



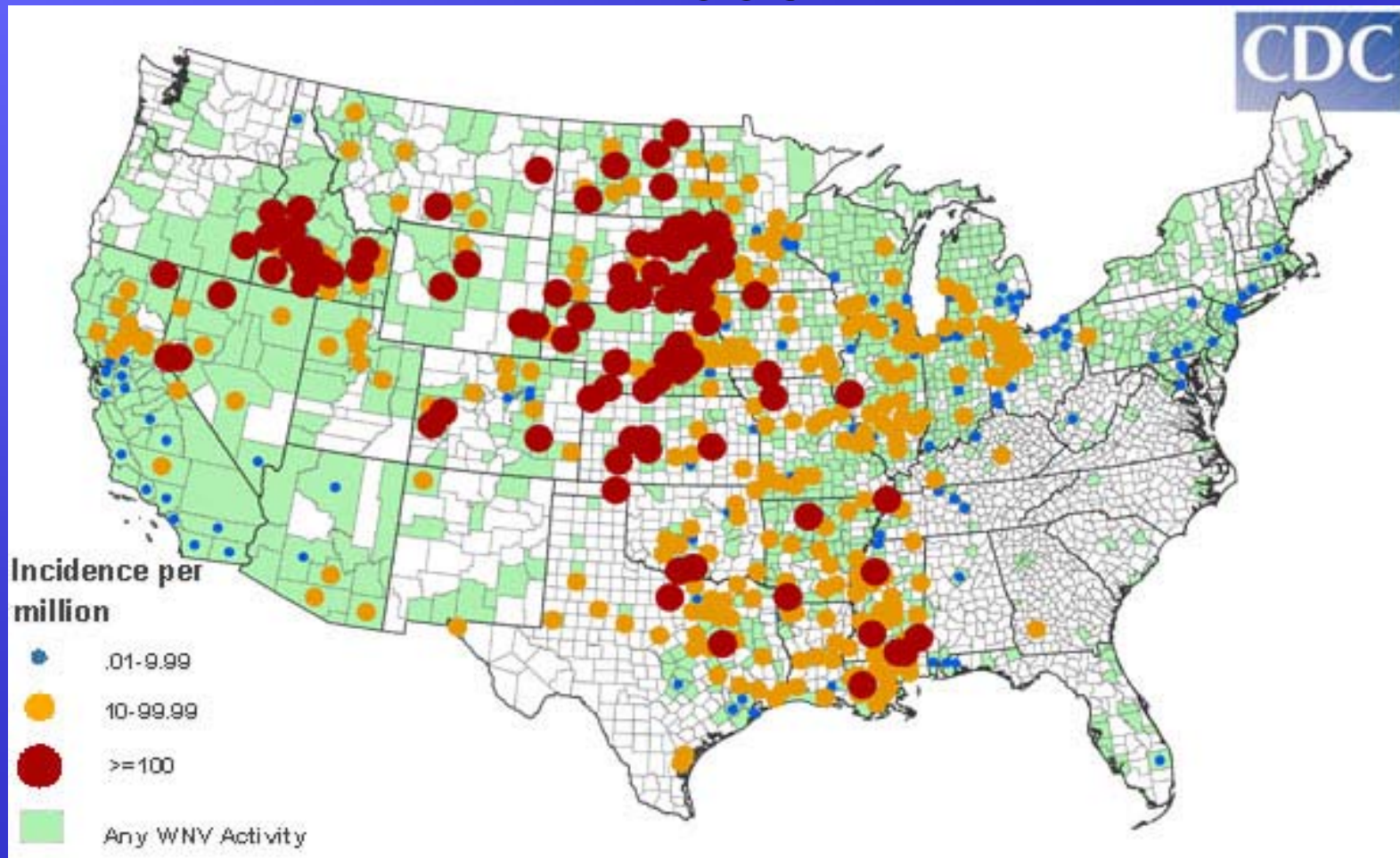
Top Ten -WNV Human Cases, U.S.

- (1) Idaho - 996
- (2) Texas - 347
- (3) Colorado - 345
- (4) California - 278
- (5) Nebraska - 264
- (6) Illinois - 215
- (7) Mississippi - 183
- (8) Louisiana - 180
- (9) Utah - 158
- (10) Arizona - 150



- **TOTAL = 4,261+**
- **Fatal = 174**

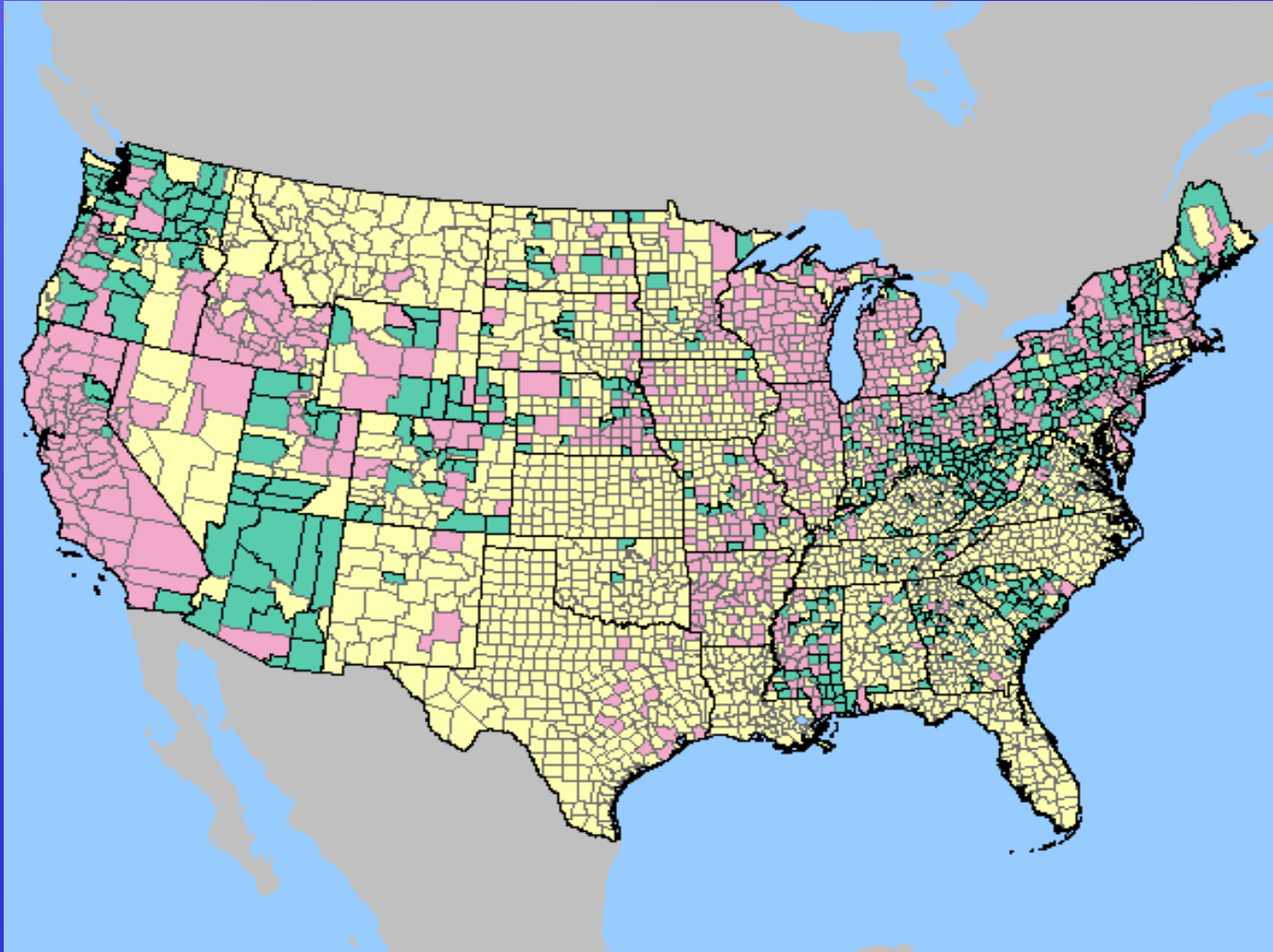
WNV Incidence Map - Human Cases 2006



WNV+ Birds, U.S. 2006

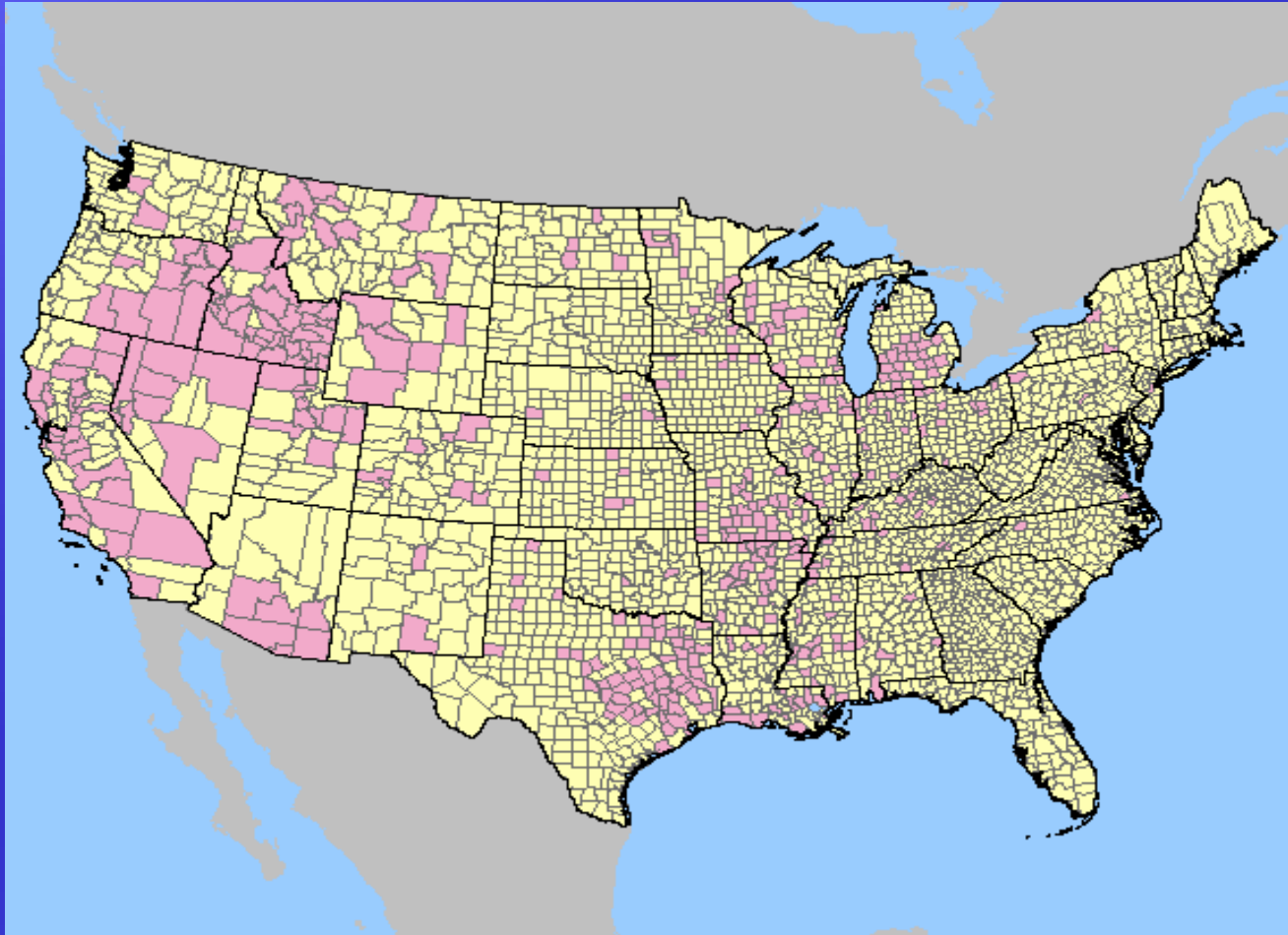
N = 4,106

map source: USGS



WNV+ Horses, U.S. 2006

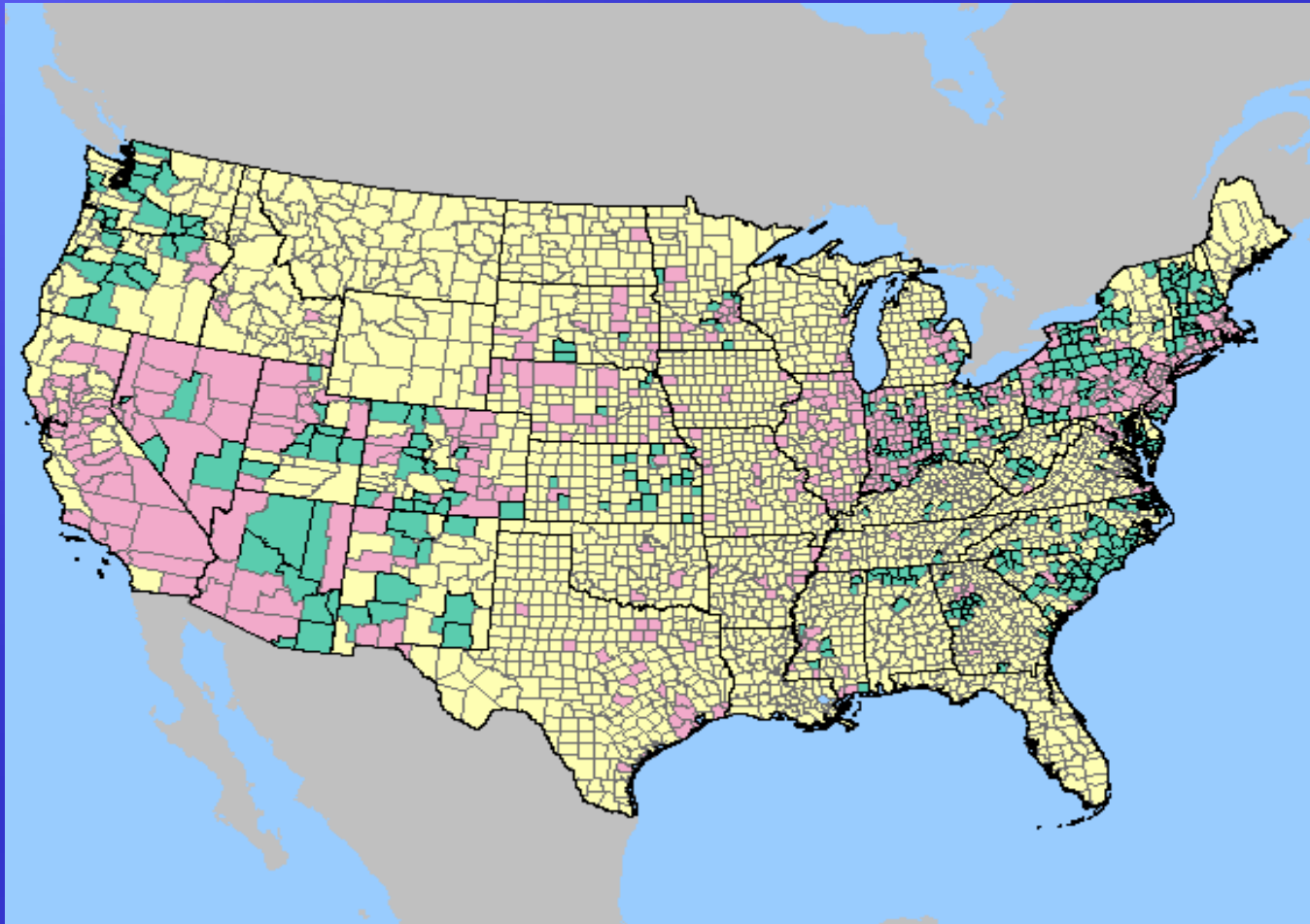
N = 1,100+ map source: USGS



WNV+ Mosquito Pools, U.S., 2006

N = 11,898

map source USGS



WNV Surveillance Totals, U.S., 1999-2006

- WNV human cases, total23,000+
- WNV human cases, neuroinv....9,200+
- WNV assoc. human deaths.....840+
- WNV+ mosquito pools45,700+
- WNV+ animals23,900+
- WNV+ dead birds56,900+
- WNV+ # bird species.....300+

ARIZONA STATS

2005

2006

as of 11/2/05

TOTAL NUMBER OF CASES	113	150
FATAL	4	11
AGE RANGE	8 months - 87 years	6 month - 87 years

CLINICAL PRESENTATIONS:

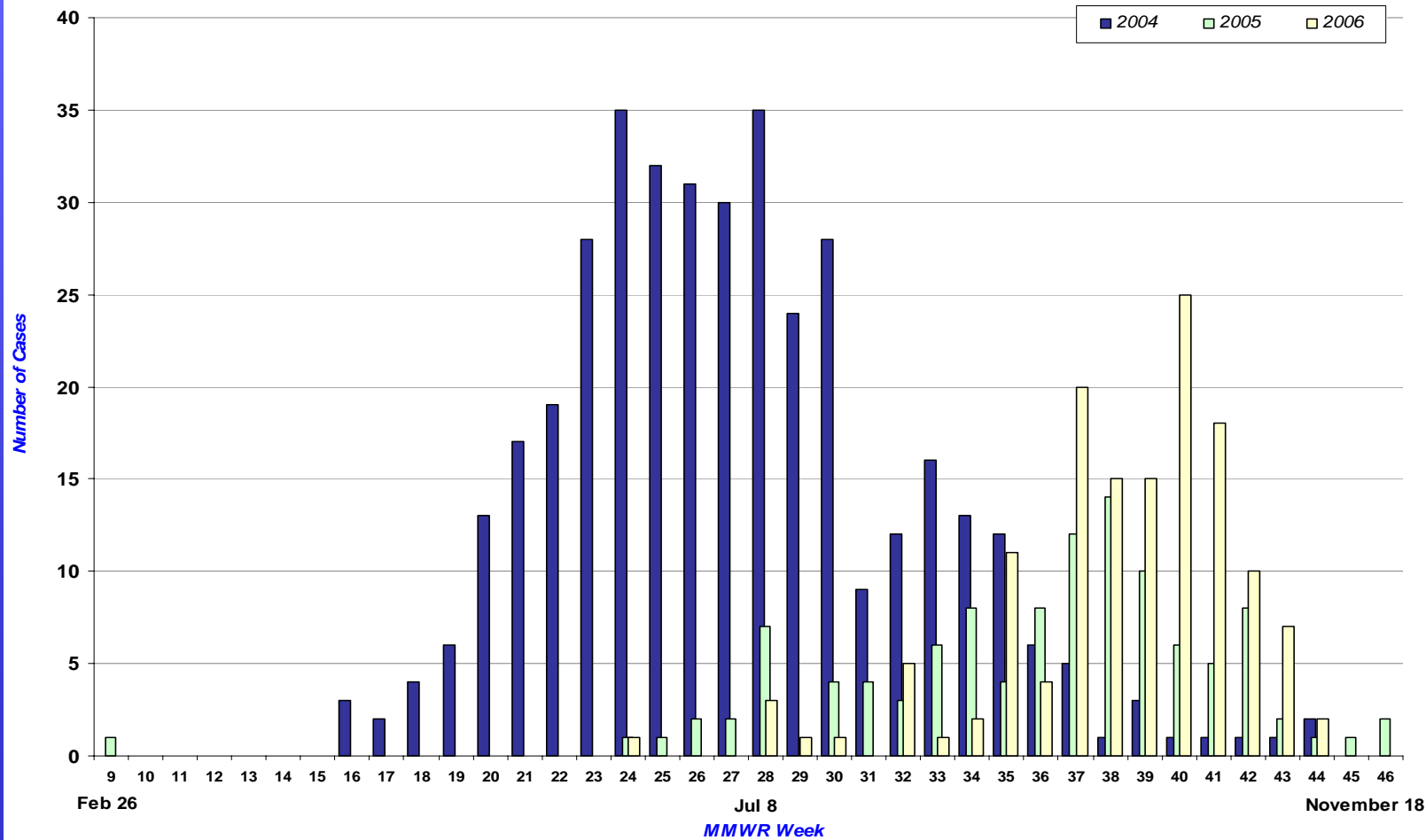
Meningitis	22	27
Encephalitis	23	36
WNV Fever	61	77
Acute Flaccid Paralysis	7	4
Neuroinvasive	45	63 (42%)
Unknown	0	6
Blood Donors	20	14

WNV Human Cases x County 2006

COUNTY	# CASES	# FATAL
APACHE	1	
COCHISE	2	
COCONINO	1	
GILA	1	
MARICOPA	75	6
MOHAVE	2	
PIMA	47	3
PINAL	20	2
SANTA CRUZ	1	
TOTAL	150	11

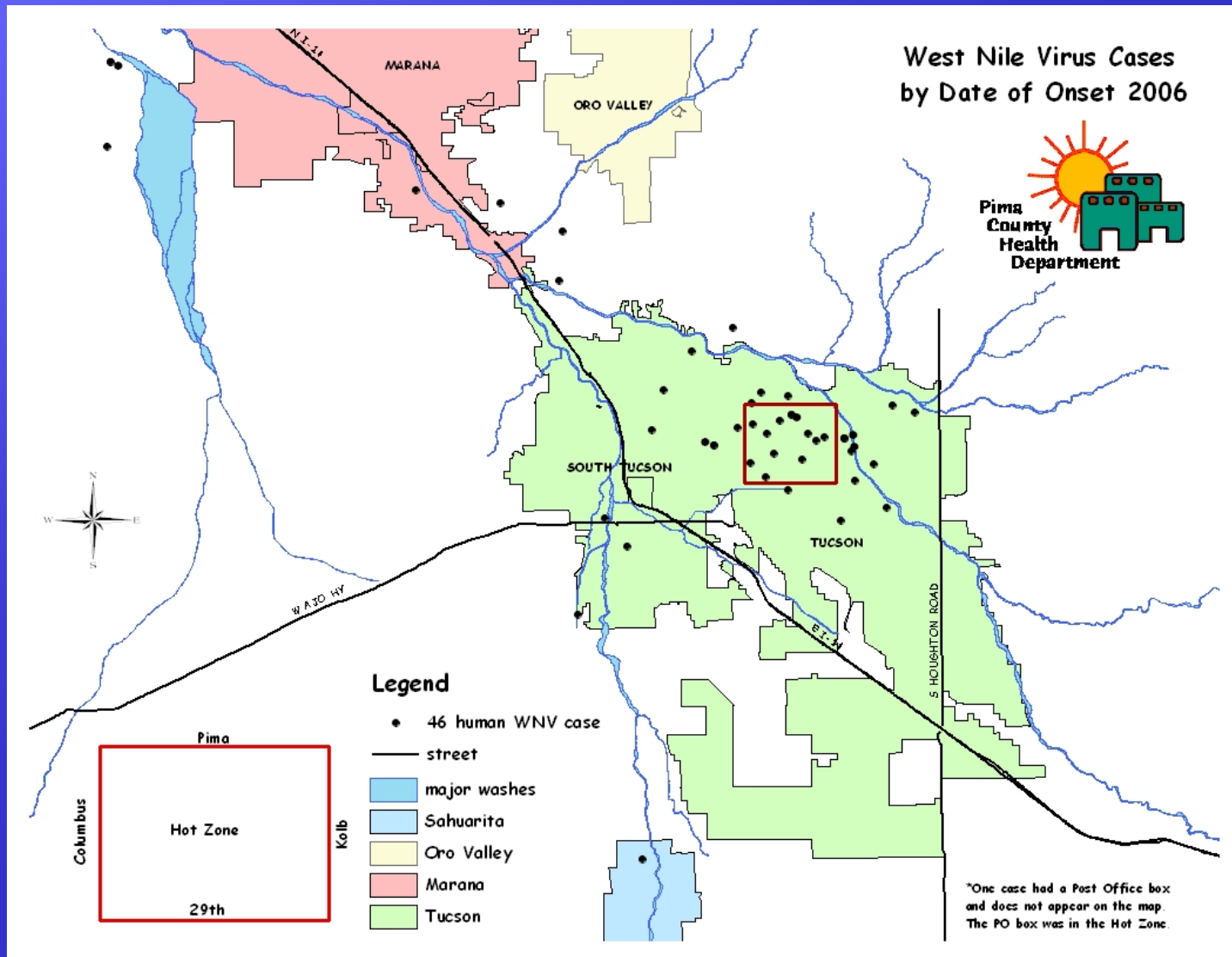
Epidemiology Curve 2004-2006

WEST NILE VIRUS: 2004, 2005, 2006 EPI CURVE



Pima County WNV Cases, 2006

map courtesy of Pima Co. Health Dept.



2006 WNV+ Mosquito Pools by County

County	# Positive Pools
Apache	1
Cochise	0
Coconino	0
Gila	0
Graham	0
Greenlee	0
LaPaz	4
Maricopa	142
Mohave	18
Navajo	0
Pima	24
Pinal	26
Santa Cruz	0
Yavapai	0
Yuma	10
Total	225

WNV+ Mosquito Species

SPECIES	# WNV POSITIVE
Culex quinquefasciatus	141
Culex tarsalis	77
Culex sp.	6
Psorophora columbiae	1

Backyard Breeding



WNV+ Mosquito Pools by Month

MONTH	# POSITIVE POOLS
April	0
May	0
June	2
July	21
August	50
September	118
October	34

WNV Surveillance Summary 2006

SURV.	# Tested	# WNV +	# Counties
Mosquito Pools	3,000+	225	7
Sentinel Chickens	1,000+ Bloods	41	5
Equines	95+	12	6
Dead Birds	111+	2	1 (Pima)
Other Animals	13	0	

2007 WNV Game Plan

- Stay the course!
- Surveillance
- Vector Control
- Communication
- Prevention Education

WNV Surveillance in AZ

- Human case F/U
- Mosquito pools*
- Dead bird testing
- Equine case F/U
- Sentinel chickens
- Other animals



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Vector Control

Local programs / local decisions

ADHS support

- provide some larvicides
- provide consultation support

Communication

Direct contact w/ affected jurisdictions

Email updates to WNV Group

Teleconferences as needed

Prevention Education

- Press Releases as appropriate
- Web Page: www.westnileaz.com
- Brochures, posters, kid sheets, etc.
- Recorded messages on 24 hour hotline:
 - - 1-800-314-9243
 - - (602) 364-4500 Phoenix Metro
- PSA: radio, cable TV, etc.

- *Don't be a skeeter breeder!*
- *Don't be a skeeter feeder!*

Fight-the-Bite!



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